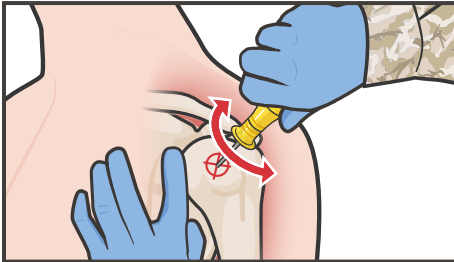
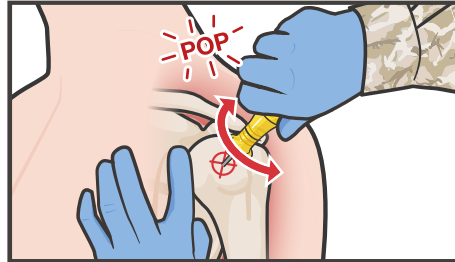


# HUMERAL INTRAOSSEOUS (EZ-IO®)

Continued...

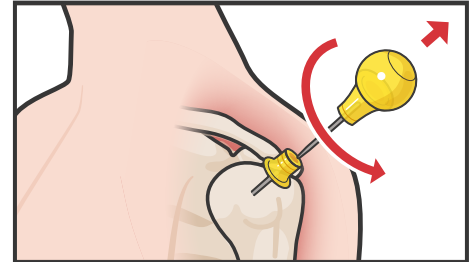


**11 GENTLY PIERCE** the skin and power or manually advance the needle set until the needle tip touches the bone.

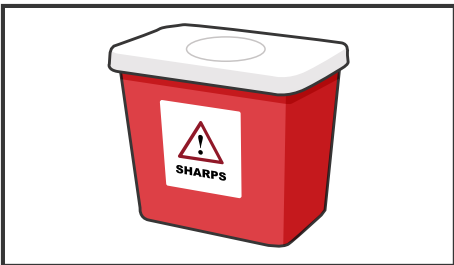


**12** With consistent steady downward pressure, twist the needle set back and forth (or squeeze the driver's trigger) until you penetrate the bone cortex.

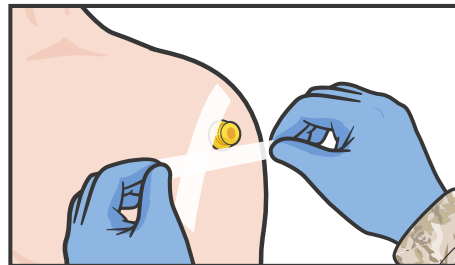
**STEP 12 NOTE:** An obvious give or pop is felt when the desired depth is obtained.



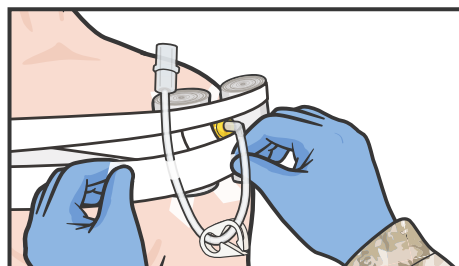
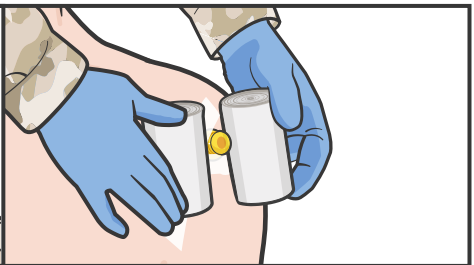
**13 UNSCREW** the stylet counter-clockwise and remove stylet from catheter. If using a mechanical driver, gently remove the drill from the needle.



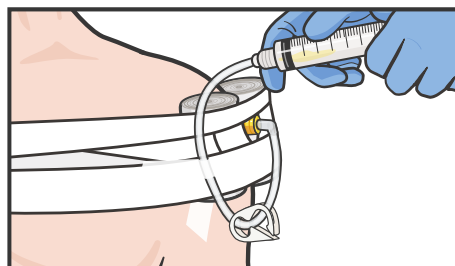
**14 PLACE** the stylet in a sharps container.



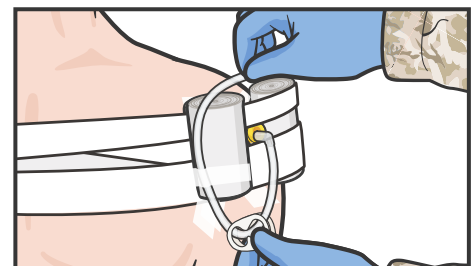
**15 SECURE** the site with an EZ-IO stabilizer, if available.  
**NOTE:** If a stabilizer is unavailable, secure with bulky dressing and tape to prevent elevated extension tubing from becoming dislodged during casualty care or movement.



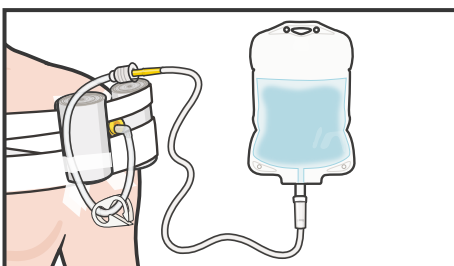
**16 CONNECT** primed extension set through the 90-degree IO tubing to the Luer lock EZ-IO hub.



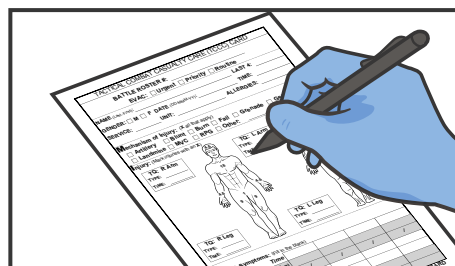
**17 ASPIRATE** to confirm needle is in the marrow (should see flash of blood-tinged material) and flush catheter with 10 ml flush using a rapid infusion.



**18 ASSESS** for signs of infiltration or complications.



**19 PREPARE** for fluid or medication administration.



**20 DOCUMENT** all findings and treatments on a DD Form 1380 TCCC Casualty Card and attach it to the casualty.